

IN THE ABSTRACT:

Please replace the Abstract of the Disclosure with the following Abstract of the Disclosure:

ABSTRACT OF THE DISCLOSURE

At the time of the speaker adaptation, first feature vector generation sections (7, 8, 9) generate a feature vector series $[C_{i,m}]$ from which the additive noise and multiplicative noise are removed. A second feature vector generation section (12) generates a feature vector series $[S_{i,m}]$ including the features of the additive noise and multiplicative noise. A path search section (10) conducts a path search by comparing the feature vector series $[C_{i,m}]$ to the standard vector $[a_{n,m}]$ of the standard voice HMM (300). When the speaker adaptation section (11) conducts correlation operation on an average feature vector $[S^{\wedge}_{n,m}]$ of the standard vector $[a_{n,m}]$ corresponding to the path search result Dv and the feature vector series $[S_{i,m}]$, the adaptive vector $[x_{n,m}]$ is generated. The adaptive vector $[x_{n,m}]$ updates the feature vector of the speaker adaptive acoustic model (400) used for the speech recognition.